IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re PATENT APPLICATION of

Group Art Unit: 1765

Jae-dong Lee et al.

Serial No.: 10/023,948

Examiner: Lynette Umez Eronini

Filed: December 21, 2001

For: CHEMICAL MECHANICAL POLISHING SLURRY

SUBMISSION OF SUBSTITUTE DECLARATION

U.S. Patent and Trademark Office 2011 South Clark Place Customer Windown, Mail Stop Issue Fee Crystal Plaza Two, Lobby, Room 1B03 Arlington, VA 22202

Sir:

Submitted herewith is a Substitute Declaration for the above-identified application.

The Substitute Declaration is being filed to correct the date of filing of the priority document.

Respectfully submitted,

VOLENTINE FRANCOS, PLLC

By:

Adam C. Volentine Registration No. 33,289

12200 Sunrise Valley Drive, Suite 150 Reston, Virginia 20191

Telephone No.: (703) 715-0870

Dated: June 4, 2004

		ARATION AND FOR U.S. PAT			1160	
	Original	Supplemental	Substitute	□ PCT	Design	
a below named invento t to my name; that I vo original, first and joint i ich a patent is sought or	rily believe that inventor (if plut	: I am the original, fi :al inventors are nar	en and sole inve	ntor (if cont)	one name is listed be	low i or
TITLE:	CHEMICAL	MECHANICAL	POLISHING	SLURR	Y .	
which is described and	claimed in:					
the attached s	pocification, or					
the specificati and with	on in the applic amendments t	ation Serial No. 10/ hrough	023,948 file (if a	i_Dec. 21. pplicable),	2001 .	
the specificati	on in Internetion	mal Application No.	(if applicable).	fi	ed	<u> </u>
creby state that I have needed by any amendment concerning the control of the con	cut(s) referred to disclose inform with Title 37, C	o above, nation of which I am Jodo of Federal Rega	aware which is plations, §1.56(a)	material to :	he examination of this	
reby claim foreign pric	ority benefits ut	ider Title 35, United	State Code, §11	9 (and §172 below and I	if this application is i	for a low any
sign) of any foreign app eign application for put- imed:	olication(s) for p cut or inventor	patent or inventor's a certificate having	ertificate listed a filing date befo	re that of th	e application a which	priority is
sign) of any foreign app eign application for put imed: COUNTRY	olication(s) for joint or inventor	patent or inventor's s certificate having	pertificate listed a filing date befo	pelow and the that of the	e application a which	priority i
sign) of any foreign app eign application for put- imed:	olication(s) for joint or inventor	patent or inventor's a certificate having	ertificate listed a filing date befo	pelow and the that of the	e application a which	priority i
sign) of any foreign app eign application for put imed: COUNTRY	olication(s) for joint or inventor	patent or inventor's s certificate having	pertificate listed a filing date befo	pelow and the that of the	e application a which	priority i
sign) of any foreign app eign application for put imed: COUNTRY	olication(s) for joint or inventor	patent or inventor's s certificate having	pertificate listed a filing date befo	pelow and the that of the	e application a which	priority i
sign) of any foreign app eign application for put imed: COUNTRY	olication(s) for cont or inventor	patent or inventor's s certificate having	pertificate listed a filing date befo	pelow and the that of the	e application a which	priority is
sign) of any foreign application for pro- imed: COUNTRY Republic of Ke are by claim the benefit or with insofar as the solication in the manner close material informat ng date of the prior app	under Title 35, subject matter or provided by the ion as defined it lication and the	patent or inventor's a certificate having a certificate having a PLICATION NO. 2000-80715 United States code, of each of the claims of first paragraph of To Title 37, Code of the national or PCT interests.	S120 and \$11% Of this application title 35, United Secretal Regulation and filing of this application of the same secretal Regulation and filing or the same secretal Regulation of this application title 35, United Secretal Regulational filing or the same secretal Regulation of the same secretal Regulation Regulation Regulation Regulation Regulation	re that of the return of the r	PRIORITY CI DESCRIPTION PRIORITY CI DESCRIPTION DESCRI	AIMED an(s) listed tied States the duty to ceen the
sign) of any foreign appelign application for patients of the country Republic of Kontral Republication in the manner close material informatics.	under Title 35, subject matter or provided by the ion as defined it lication and the	patent of Inventor's secretificate having a secretificate having a PLICATION NO. 2000-80715 United States code, of each of the claims first paragraph of T. Title 17, Code of the claims	S120 and \$11% Of this application title 35, United Secretal Regulation and filing of this application of the same secretal Regulation and filing or the same secretal Regulation of this application title 35, United Secretal Regulational filing or the same secretal Regulation of the same secretal Regulation Regulation Regulation Regulation Regulation	re that of the return of the r	PRIORITY CI PRIORITY CI O YES inted States application to the prior Uni \$112, I acknowledge	AIMED in(s) listed the duty the cuty the
sign) of any foreign application for pro- imed: COUNTRY Republic of Ke are by claim the benefit or with insofar as the solication in the manner close material informat ng date of the prior app	under Title 35, subject matter or provided by the ion as defined it lication and the	patent or inventor's a certificate having a certificate having a PLICATION NO. 2000-80715 United States code, of each of the claims of first paragraph of To Title 37, Code of the national or PCT interests.	S120 and \$11% Of this application title 35, United Secretal Regulation and filing of this application of the same secretal Regulation and filing or the same secretal Regulation of this application title 35, United Secretal Regulational filing or the same secretal Regulation of the same secretal Regulation Regulation Regulation Regulation Regulation	re that of the return of the r	PRIORITY CI PRIORITY CI O YES inted States application closed in the prior Uni \$112, I acknowledge by which occurred betw application: US: PATENTED, PF	AIMED in(s) listed the duty the cuty the
sign) of any foreign application for pro- imed: COUNTRY Republic of Ke are by claim the benefit or with insofar as the solication in the manner close material informat ng date of the prior app	under Title 35, subject matter or provided by the ion as defined it lication and the	patent or inventor's a certificate having a certificate having a PLICATION NO. 2000-80715 United States code, of each of the claims of first paragraph of To Title 37, Code of the national or PCT interests.	S120 and \$11% Of this application title 35, United Secretal Regulation and filing of this application of the same secretal Regulation and filing or the same secretal Regulation of this application title 35, United Secretal Regulational filing or the same secretal Regulation of the same secretal Regulation Regulation Regulation Regulation Regulation	re that of the return of the r	PRIORITY CI PRIORITY CI O YES inted States application closed in the prior Uni \$112, I acknowledge by which occurred betw application: US: PATENTED, PF	AIMED in(s) listed the duty the cuty the
sign) of any foreign application for pro- imed: COUNTRY Republic of Ke are by claim the benefit or with insofar as the solication in the manner close material informat ng date of the prior app	under Title 35, subject matter or provided by the ion as defined it lication and the	patent or inventor's a certificate having a certificate having a PLICATION NO. 2000-80715 United States code, of each of the claims of first paragraph of To Title 37, Code of the national or PCT interests.	S120 and \$11% Of this application title 35, United Secretal Regulation and filing of this application of the same secretal Regulation and filing or the same secretal Regulation of this application title 35, United Secretal Regulational filing or the same secretal Regulation of the same secretal Regulation Regulation Regulation Regulation Regulation	re that of the re the re the re the re the re that of the re th	PRIORITY CI PRIORITY CI O YES inted States application closed in the prior Uni \$112, I acknowledge by which occurred betw application: US: PATENTED, PF	AIMED n(s) listed ted States the duty to ceen the
sign) of any foreign application for pro- imed: COUNTRY Republic of Ke are by claim the benefit or with insofar as the solication in the manner close material informat ng date of the prior app	under Title 35, subject matter or provided by the ion as defined it lication and the	patent or inventor's a certificate having a certificate having a PLICATION NO. 2000-80715 United States code, of each of the claims of first paragraph of To Title 37, Code of the national or PCT interests.	S120 and \$11% Of this application title 35, United Secretal Regulation and filing of this application of the same secretal Regulation and filing or the same secretal Regulation of this application title 35, United Secretal Regulational filing or the same secretal Regulation of the same secretal Regulation Regulation Regulation Regulation Regulation	re that of the re the re the re the re the re that of the re th	PRIORITY CI PRIORITY CI O YES inted States application closed in the prior Uni \$112, I acknowledge by which occurred betw application: US: PATENTED, PF	AIMED n(s) listed ted States the duty to ceen the
sign) of any foreign application for pro- imed: COUNTRY Republic of Ke are by claim the benefit or with insofar as the solication in the manner close material informat ng date of the prior app	under Title 35, subject matter or provided by the ion as defined it lication and the	patent or inventor's a certificate having a certificate having a PLICATION NO. 2000-80715 United States code, of each of the claims of first paragraph of To Title 37, Code of the national or PCT interests.	S120 and \$11% Of this application title 35, United Secretal Regulation and filing of this application of the same secretal Regulation and filing or the same secretal Regulation of this application title 35, United Secretal Regulational filing or the same secretal Regulation of the same secretal Regulation Regulation Regulation Regulation Regulation	re that of the re the re the re the re the re that of the re th	PRIORITY CI PRIORITY CI O YES inted States application closed in the prior Uni \$112, I acknowledge by which occurred betw application: US: PATENTED, PF	AIMED n(s) listed ted States the duty to ceen the
sign) of any foreign application for pro- imed: COUNTRY Republic of Ke are by claim the benefit or with insofar as the solication in the manner close material informat ng date of the prior app	under Title 35, subject matter or provided by the ion as defined it lication and the	patent of inventor's a certificate having a certificate having a PLICATION NO. 2000-80715 United States code, of each of the claims a first paragraph of In Title 37, Code of a national or PCT int	\$120 and \$1190 of this application of this application of the spot	re that of the re the re the re the re the re that of the re th	PRIORITY CI PRIORITY CI O YES inted States application closed in the prior Uni \$112, I acknowledge by which occurred betw application: US: PATENTED, PF	AIMED in(s) listed the duty the cuty the
sign) of any foreign application for pro- imed: COUNTRY Republic of Ke are by claim the benefit or with insofar as the solication in the manner close material informat ng date of the prior app	under Title 35, subject matter or provided by the ion as defined it lication and the	patent of inventor's a certificate having a certificate having a PLICATION NO. 2000-80715 United States code, of each of the claims a first paragraph of In Title 37, Code of a national or PCT int	S120 and \$11% Of this application title 35, United Secretal Regulation and filing of this application of the same secretal Regulation and filing or the same secretal Regulation of this application title 35, United Secretal Regulational filing or the same secretal Regulation of the same secretal Regulation Regulation Regulation Regulation Regulation	re that of the re the re the re the re the re that of the re th	PRIORITY CI PRIORITY CI O YES inted States application closed in the prior Uni \$112, I acknowledge by which occurred betw application: US: PATENTED, PF	Ally in(s) I ited S the d

VOLENTINE FRANCOS, P.L.L.C. (9/2001)

And I hereby appoint Adam C. Volentina, Reg. No. 33289 and William S. Francos, Reg. No. 38,456, and the firm of *VOLENTINE FRANCOS*, P.L.C., jointly and severally, attorneys to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected therewith.

I hereby authorize the U.S. attorneys named herein to accept and following lastructions from Y.P. LEE, MOCK & PARTNERS as to any action to be taken in the U.S. Patent and Trademark Office regarding this application without direct communication between the U.S. attorneys and myself. In the event of a change in the persons from whom instructions may be taken, the U.S. attorneys named herein will be so notified by me.

Kindly direct all correspondence to:

VOLENTINE FRANCOS, P.L.L.C. 12200 Suurise Valley Drive, Sulto 150 Reston, VA 20191

Telephone (703) 715-0870 Facsindle (703) 715-0877

	FAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
TILL NAME OF 1" NVENTOR	. TER	Jae-dong	
LESIDENCE & CHIZZNESSIP	СПҮ	STATE OR COUNTRY	COUNTRY OF CITIZENSHIP
USIDENCE & CITEZENSIUP	Seoul	Republic of Korea	Republic of Korea
	ADDRESS	CITY STATE OF	COUNTRY ZIP CODE
POST DEPICE ADDRESS	17-304, Jukongl-ch Republic of Korea	a, Apt., Gaepo-dong, 1	Kangnam-gu, Seoul,
	FAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
FULL NAME OF 2 th INVENTOR	хоои	Bo-un	•
	CTTY	STATE OR COUNTRY	COUNTRY OF CATALOGHIP
RESIDENCE & CHIZENSHIP	Secul	Republic of Korea	Republic of Korea
:	ADDRESS	CITY STATEO	R COUNTRY ZIP COOR
POST OFFICE ADDRESS	2-702, Daegyo Apt. Republic of Korea	, Yeoeuido-dong, Young	gdeungpo-gu, Seoul,
	FAMILY NAME	FIRST GLYEN NAME	SECOND GOVEN NAME
PULL NAME OF 3TH INVESTOR	HAH	Sang-rok	•
	Crry	STATE OR COUNTRY	COUNTRY OF CITIZENSHIP
RESIDENCE & CITIZENSING	Seoul	Republic of Korea	Republic of Korea
	ADDRESS	CITY STATE O	R COUNTRY ZIF CODE
POST OFFICE ADDRESS	5Fl., Hanju Buildi Secul, Republic of	ng, 565-19, Shinsa-do Korea	ng, Kangpam-gu,

Page 2 of 3

		PORT GIVEN NAME	SECOND CIVEN NAME
LNAME OF 4TH	PAMILY NAME	ALIMAN MANAGEMENT	
NAME OF 4121 NTOR:			•
	· · :		COUNTRY OF CITIZENSHIP
- 1 i	Cny	STATE OR COUNTRY	COUNTRY OF CHEENSHIP
INTINCE & CITIZENSRIP			
	<u> </u>	Crry S:	TATE OR COUNTRY ZIP CODE
OPPICE ADDRESS	ADDRESS		
. UPFICE ADDRESS			
		FIRST GIVEN NAME	SECOND GIVEN NAME
L NAME OF 5 TH	FAMILY NAME		
ENADY T NYAR OL 2			
1. 1. 1. 1.			COUNTRY OF CITIZERSIUP
1, 1	CitY	STATE OR COUNTRY	Contrast of enterwoods
DENCE & CITIZENSHIP	1:		
	Approprie		OR COUNTRY ZIP CODE
ET OFFICE ADORES	ADURBUS		
ST OFFICE ADDRESS	The Thirt see 1	•	
	FAMILY NAME	FIRST GIVEN MAME	SECOND GIVEN NAME
LL NAME OF ET	E WORMS SAUMA		
ENTOR		M	
<u>;: </u>		STATE OR COUNTRY	COUNTRY OF CITIZENSHIP
SIDENCE & CYTIZENERU	Crry	STATE OR COUNTRY	
SIDENCE & CHTZENSHIII	1	. 1	
	ADDRESS	CITY STATE	OR COUNTRY ZIP CODE
OST OFFICE ADDRESS			
	1		
			all electrons to our lafarment on
further declare that a	Il soutements made herein of my or	wn knowledge are true, and that	t all statements on information or owledge that willful false stateme
dieve are believed to	be true; and threat must mean area	Total and Seed and 100	or Title 18 of the United State
dieve are believed to	be true; and threat must mean area	Total and Seed and 100	or Title 18 of the United State
dieve are believed to ad the like so made a ode, and that such w	be true; and nurther that these status per punishable by fine or imprison illful false statements may jeopard	ment, or both, under Section 100 lize the validity of the application	DI of Title 18 of the United State on or any patent issuing thereon.
dieve are believed to d the like so made a ode, and that such w	be true; and nurther that these status per punishable by fine or imprison illful false statements may jeopard	ment, or both, under Section 100 lize the validity of the application	DI of Title 18 of the United State on or any patent issuing thereon.
dieve are believed to d the like so made a ode, and that such w Inventor Jae-dox	to the the and numer that he sale in the purishable by fine or imprison illful false statements may leopard a - Dong LEE	ment, or both, under Section 100 lize the validity of the application	DI of Title 18 of the United State on or any patent issuing thereon.
dieve are believed to de the like so made a ode, and that such w Inventor Jae-dor	be true; and nurther that these status per punishable by fine or imprison illful false statements may jeopard	ment, or both, under Section 100 lize the validity of the application	DI of Title 18 of the United State on or any patent issuing thereon.
dieve are believed to de the like so made a ode, and that such w Inventor Jae-dor	o be true; and further than these sace or punishable by fine or imprison illipit false statements may jeopard the property of	ment, or both, under Section 100 lize the validity of the application	or Title 18 of the United State
lieve are believed to d the like so made a ode, and that such w Inventor Jae-don Inventor Bo-un	o be true; and further than these sace or punishable by fine or imprison illipit false statements may jeopard the property of	nent, or both, under Section 100 lize the validity of the application Date Date Date	DI of Title 18 of the United State on or any patent issuing thereon.
lieve are believed to de dite like so made a de, and that such w Inventor Jae dor Inventor Bo-un	obe true; and nurser than these sace repulsibility by fine or imprison rillful false statements may jeopard a post LEE one LEE	ment, or both, under Section 100 lize the validity of the application	DI of Title 18 of the United State on or any patent issuing thereon.
lieve are believed to detection of the like so made a ode, and that such we have to be a detected of the lieuwester of t	obe true; and nurser than these sace repulsibility by fine or imprison rillful false statements may jeopard a post LEE one LEE	nent, or both, under Section 100 lize the validity of the application Date Date Date Date	DI of Title 18 of the United State on or any patent issuing thereon.
Inventor Inventor Bo-un Inventor Bo-un Inventor Bo-un Bo-un	obe true; and nurser than these sace repulsibility by fine or imprison rillful false statements may jeopard a post LEE one LEE	nent, or both, under Section 100 lize the validity of the application Date Date Date	DI of Title 18 of the United State on or any patent issuing thereon.
Inventor Inventor Bo-un Inventor Bo-un Inventor Bo-un Bo-un	obe true; and nurser than these sace repulsibility by fine or imprison rillful false statements may jeopard a post LEE one LEE	nent, or both, under Section 100 lize the validity of the application Date Date Date Date	DI of Title 18 of the United State on or any patent issuing thereon.
Inventor Inventor Bo-un Inventor Bo-un Inventor Bo-un Inventor Bo-un Inventor Bo-un Inventor Bo-un Inventor	obe true; and nurser than these sace repulsibility by fine or imprison rillful false statements may jeopard a post LEE one LEE	nent, or both, under Section 100 lize the validity of the application Date Date Date Date	DI of Title 18 of the United State on or any patent issuing thereon.
Inventor Inventor Bo-un Inventor Bo-un Inventor Bo-un Inventor Bo-un Inventor Bo-un Inventor Bo-un Inventor	obe true; and nurser than these sace repulsibility by fine or imprison rillful false statements may jeopard a post LEE one LEE	nent, or both, under Section 100 lize the validity of the application Date Date Date Date Date Date	DI of Title 18 of the United State on or any patent issuing thereon.
Inventor Inventor Bo-un Inventor Bo-un Inventor Bo-un Inventor Bo-un Inventor Bo-un Inventor Bo-un Inventor	obe true; and nurser has lies or repulsibility by fine or imprison illiful false statements may jeopard a — Dong LEE nog LEE uni Yoon Yoon Amgrok Hall exchanged the construction of the c	nent, or both, under Section 100 lize the validity of the application Date Date Date Date Date Date Date Date	DI of Title 18 of the United State on or any patent issuing thereon.
Inventor Inventor Bo-un Inventor Bo-un Inventor Bo-un Inventor Bo-un Inventor Bo-un Inventor Bo-un Inventor	obe true; and nurser has lies or repulsibility by fine or imprison illiful false statements may jeopard a — Dong LEE nog LEE uni Yoon Yoon Amgrok Hall exchanged the construction of the c	nent, or both, under Section 100 lize the validity of the application Date Date Date Date Date Date	DI of Title 18 of the United State on or any patent issuing thereon.
Inventor	obe true; and nurser has lies or repulsibility by fine or imprison illiful false statements may jeopard a — Dong LEE nog LEE uni Yoon Yoon Amgrok Hall exchanged the construction of the c	nent, or both, under Section 100 lize the validity of the application Date Date Date Date Date Date Date Date Date Date	on of Title 18 of the United States on or any patent issuing thereon. 1 ay 15, 200 y 1 ay 15, 200 y 1 day 21, 200 y
Inventor	obe true; and nurser has here in principal are punishable by fine or imprison illiful false statements may jeopard a Pong LEE and LEE and Youn Youn Youn Amalon Ama	nent, or both, under Section 100 lize the validity of the application Date Date Date Date Date Date Date Date Date Date	on of Title 18 of the United States on or any patent issuing thereon. 1 ay 15, 200 y 1 ay 15, 200 y 1 day 21, 200 y
Inventor	obe true; and nurser has lies or repulsibility by fine or imprison illiful false statements may jeopard a — Dong LEE nog LEE uni Yoon Yoon Amgrok Hall exchanged the construction of the c	nent, or both, under Section 100 lize the validity of the application Date Date Date Date Date Date Date Date Date Date	on of Title 18 of the United States on or any patent issuing thereon. 1 ay 15, 200 y 1 ay 15, 200 y 1 day 21, 200 y
Inventor	obe true; and nurser has here in principal are punishable by fine or imprison illiful false statements may jeopard a Pong LEE and LEE and Youn Youn Youn Amalon Ama	nent, or both, under Section 100 lize the validity of the application Date Date Date Date Date Date Date Date Date Date	on of Title 18 of the United States on or any patent issuing thereon. 1 ay 15, 200 y 1 ay 15, 200 y 1 day 21, 200 y
Inventor	obe true; and nurser has here in principal are punishable by fine or imprison illiful false statements may jeopard a Pong LEE and LEE and Youn Youn Youn Amalon Ama	nent, or both, under Section 100 lize the validity of the application Date Date Date Date Date Date Date Date Date Date	on of Title 18 of the United States on or any patent issuing thereon. 1 ay 15, 200 y 1 ay 15, 200 y 1 day 21, 200 y
Inventor	obe true; and nurser has here in principal are punishable by fine or imprison illiful false statements may jeopard a Pong LEE and LEE and Youn Youn Youn Amalon Ama	nent, or both, under Section 100 lize the validity of the application Date Date Date Date Date Date Date Attorney Docker	on of Title 18 of the United States on or any patent issuing thereon. 1 ay 15, 200 y 1 ay 15, 200 y 1 day 21, 200 y
Inventor Inventor Inventor Bo-un Inventor Bo-un Inventor Bo-un Inventor Bo-un Inventor Bo-un Inventor Bo-un Inventor	obe true; and nurser has here in principal are punishable by fine or imprison illiful false statements may jeopard a Pong LEE and LEE and Youn Youn Youn Amalon Ama	nent, or both, under Section 100 lize the validity of the application Date Date Date Date Date Date Date Date Date Date	on of Title 18 of the United States on or any patent issuing thereon. 1 ay 15, 200 y 1 ay 15, 200 y 1 day 21, 200 y

CERTIFICATE OF TAPPlicant(s): Jae-dong L	TRANSMISSION BY FACS	SIMILE (37 CFR 1.8)	Docket No. SEC.861
Application No. 10/023,948	Filing Date 12/21/2001	Examiner Lynette Umez Eronini	Group Art Unit 1765
Invention: CHEMICAL	MECHANICAL POLISHING SI	LURRY	
I hereby certify that this	SUBMISSI	ON OF SUBSTITUTE DECLA	RATION
le baine fessimile transmi	itted to the United States Patent	(Identify type of correspondence)	No. 571 373 1470
•		and trademark Office (Fax.)	10. 5/1-2/5-14/0
on JUNE 4, 2	004		
1/44			
		ADAM C. VOI (Typed or Printed Name of Pers.	
		119	
		(Signature)
	Note: Each paper must have	ve its own certificate of mailing.	

P18/REV02